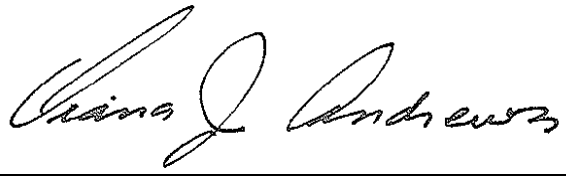
Commonwealth of Kentucky
Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382

PROPOSED

AIR QUALITY PERMIT

Issued under 401 KAR 52:020

Permittee Name:	**Rayloc, Division of Genuine Parts Company**
Mailing Address:	**P.O. Box 530, Morganfield, Kentucky 42437**
Source Name:	**Rayloc**
Mailing Address:	**U.S. Highway 60 East** **Morganfield, Kentucky 42437**
Source Location:	**same as above**
Permit Number:	**V-07-001**
Source A. I. #:	**4078**
Activity #:	**APE20040002**
Review Type:	**TITLE V/Synthetic Minor**
Source ID #:	**21-225-00018**
Regional Office:	**Owensboro** **3032 Alvey Park Dr. W., Suite 700** **Owensboro, KY 42303** **(270) 687-7304**
County:	**Union**
Application Complete Date:	**June 2, 2004**
Issuance Date:	**April 19, 2007**
Revision Date:	
Expiration Date:	**April 19, 2012**



John S. Lyons, Director
Division for Air Quality

Revised 12/09/02

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	Permit type	Log or Activity#	Complete Date	Issuance Date	Summary of Action
V-98-043	**Initial Issuance**	**F481**	**01/20/1998**	**05/07/99**	**Initial Operating Permit**
V-98-043R1	**Minor Revision**	**G244**	**10/11/1999**	**10/27/99**	**Replacement of degreaser unit**
V-07-001	**Renewal**	**APE20040002**	**06/02/2004**	**04/19/07**	**Permit Renewal**

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

ID	Description	Date Constructed	Applicable Regulation
01 (SB-1)	**Dip Tanks and Spray Booth** Painting of Automotive Starters Maximum Hourly Rated Capacity: 350 pieces/hour Control Equipment: Paper Filters	1985	401 KAR 59:010
04 (SB-4)	**Spray Booth** Painting of Windshield Wiper Motors Maximum Hourly Rated Capacity: 160 pieces/hour Control Equipment: Paper Filters	1989	401 KAR 59:010

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations applicable to each emission unit which commenced construction on or after July 2, 1975.

1. Operating Limitations:
Source-wide limit on VOC emissions. Refer to Section D.

2. Emission Limitations:

A. Source-wide emissions of VOC shall not exceed 90 tons per rolling twelve-month period.
Compliance Demonstration Method: Refer to Section D.

B. 401 KAR 59:010 § 3(1) – Visible emissions from a control device or stack associated with the spray booths and dip tanks shall not equal or exceed 20 percent opacity.
Compliance Demonstration Method: Refer to Specific Monitoring Requirement B.

C. 401 KAR 59:010 § 3(2) – Particulate matter emissions from a control device or stack associated with the spray booths and dip tanks shall not exceed 2.34 pounds per hour.
Compliance Demonstration Method: Compliance with the mass emission standard shall be assumed for the spray booths when the filters are in place and operating efficiently. The dip tanks shall be assumed to be in compliance with the above opacity and mass standards due to the nature of this type of coating operation.

3. Testing Requirements:
Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, § 2(2) and 50:045, § 4.

SECTION B -EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Specific Monitoring Requirements:

A. Source-wide VOC emissions shall be monitored monthly. Refer to Section D.

B. A qualitative visual observation of the opacity of emissions shall be performed from the spray booths stacks on a weekly basis and a log of the observations maintained. If visible emissions from the stacks are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.

C. The monthly usage of VOC containing paints, solvents or any VOC/HAP containing material shall be monitored.

5. Specific Recordkeeping Requirements:

A. The permittee shall maintain monthly records of the purchase and usage of the paints, solvents or any VOC/HAP containing material.

B. Records of source-wide monthly and twelve-month rolling total VOC emissions shall be maintained. Refer to Section D.

C. A weekly log of qualitative visual observations of opacity shall be maintained.

D. Records documenting the results of each opacity reading by EPA Reference Method 9 shall be maintained.

E. Records of filter replacements, including time and date shall be maintained.

6. Specific Reporting Requirements:

The reporting requirements of Section F.5, are specified here to consist of the following:

A. Source-wide limit on VOC emissions. Refer to Section D.

B. A summary of filter replacements during the period.

7. Specific Control Equipment Operating Conditions:

Exhaust filters shall be in place and operating efficiently during spray booth operation.

8. Alternate Operating Scenarios: N/A

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

ID	Description	Date Constructed	Applicable Regulation
07 (E-7)	**Spray Booth** Painting of Alternators and Stators Maximum Hourly Rated Capacity: 400 pieces/hour Control Equipment: Paper Filters	1990	401 KAR 59:010

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations applicable to each emission unit which commenced construction on or after July 2, 1975.

1. Operating Limitations:
Source-wide limit on VOC emissions. Refer to Section D.

2. Emission Limitations:
A. Source-wide emissions of VOC shall not exceed 90 tons per rolling twelve-month period.
Compliance Demonstration Method: Refer to Section D.
B. 401 KAR 59:010 § 3(1) – Visible emissions from a control device or stack associated with the spray booth shall not equal or exceed 20 percent opacity.
Compliance Demonstration Method: Refer to Specific Monitoring Requirement A.
D. 401 KAR 59:010 § 3(2) – Particulate matter emissions from a control device or stack associated with the spray booth shall not exceed 2.34 pounds per hour.
Compliance Demonstration Method: Compliance with the mass emission standard shall be assumed for the spray booths when the filters are in place and operating efficiently.

3. Testing Requirements:
Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, § 2(2) and 50:045, § 4.

4. Specific Monitoring Requirements:
A. Source-wide VOC emissions shall be monitored monthly. Refer to Section D.
B. A qualitative visual observation of the opacity of emissions shall be performed from the paint booths stacks on a weekly basis and a log of the observations maintained. If visible emissions from the stacks are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.
C. The monthly usage of VOC containing paints, solvents or any VOC/HAP containing material shall be monitored.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

A. The permittee shall maintain monthly records of the purchase and usage of the paints, solvents or any VOC/HAP containing material.
B. Records of source-wide monthly and twelve-month rolling total VOC emissions shall be maintained. Refer to Section D.
C. A weekly log of qualitative visual observations of opacity shall be maintained.
D. Records documenting the results of each opacity reading by EPA Reference Method 9 shall be maintained.
E. Records of filter replacements, including time and date shall be maintained.

6. Specific Reporting Requirements:

The reporting requirements of Section F.5, are specified here to consist of the following:

A. Source-wide limit on VOC emissions. Refer to Section D.
B. A summary of filter replacements during the period.

7. Specific Control Equipment Operating Conditions:

Exhaust filters shall be in place and operating efficiently during spray booth operation.

8. Alternate Operating Scenarios: N/A

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

27 (E-9) Degreaser

Description:
Manufacturer - Vapor Engineering; Model No. - BACT-120 AX; Serial No. - 071799
Tank Dimensions - Width = 4.5 feet, Length = 10.5 feet, Depth = 9.4 feet;
Date Installed - August 1999; Solvent Type - Trichloroethylene
Types of Safety Switches - Condenser Flow, Spray Safety, Vapor Level;
Type of Vapor Level Controls - Chilled water or refrigerant
Method of Heating the Degreaser - Electric
Type of Cleaning Action - Vapor condensation; Tank Cover Type - Automatic
Type of Control Devices: Refrigerated chiller, Enclosed design, Freeboard ratio ≥ 0.75
Exhaust Air Flow: 2,000 ft^3/minute

APPLICABLE REGULATIONS:
401 KAR 63:002 § 3(p) 40 CFR 63.460 to 63.470 (Subpart T), "National Emission Standards for Halogenated Solvent Cleaning".

1. **Operating Limitations:**
   A. Source-wide limit on VOC emissions. Refer to Section D.
   B. Refer to Section E, § 63.463 Batch vapor and in-line machine standards.
2. **Emission Limitations:**
   Source-wide emissions of VOC shall not exceed 90 tons per rolling twelve-month period.
   Compliance Demonstration Method: Refer to Section D.
3. **Testing Requirements:**
   A. The idling emission rate of the solvent cleaning machine shall be determined within 180 days of the issuance date of this permit. Failure to determine the emission rate in the above specified timeframe will result in termination of the authority to operate this unit until compliance as been demonstrated.
   B. Refer to Section D.
   C. Refer to Section E, § 63.465 Test methods.
4. **Specific Monitoring Requirements:**
   A. Monitor and maintain records of the pounds of solvent added monthly.
   B. Monitor and maintain records of the pounds of liquid solvent removed monthly.
   C. Monitor and maintain records of the pounds of solvent removed as solid waste monthly.
   D. Refer to Section E, § 63.466 Monitoring procedures.
5. **Specific Recordkeeping Requirements:**
   Refer to Section E, § 63.467 Recordkeeping requirements.
6. **Specific Reporting Requirements:**
   Refer to Section E, § 63.468 Reporting requirements.
7. **Specific Control Equipment Operating Conditions:**
   Refer to 1. Operating Limitations above.
8. **Alternate Operating Scenarios:** N/A

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

ID	Description	Date Constructed	Applicable Regulation
33 (CEC-14)	Burn Off Oven, Consolidated Engineering Company Model No. 5C. Equipped with 1,600,000 BTU/hr natural gas burner	1997	401 KAR 59:010

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations applicable to each emission unit which commenced construction on or after July 2, 1975.

1. Operating Limitations:

A. Source-wide limit on VOC emissions. Refer to Section D.
B. The occurrence of a temperature alarm shall be interlocked with burn off oven operation, resulting in shutdown of the oven. Refer to Section E.1.

2. Emission Limitations:

A. 401 KAR 59:010 § 3(1) – Visible emissions from a control device or stack associated with Emission Unit 33 shall not equal or exceed 20 percent opacity.
B. 401 KAR 59:010 § 3(2) – Particulate matter emissions from a control device or stack associated with Emission Unit 33 shall not exceed 2.34 pounds per hour.

Compliance Demonstration Method:
Compliance with the opacity standards shall be demonstrated by adhering to **3. Testing Requirement B** and **4. Monitoring Requirement A**. Compliance with the mass standards shall be assumed when the opacity standards are not exceeded.

C. Source-wide emissions of VOC shall not exceed 90 tons per rolling twelve-month period.
Compliance Demonstration Method: Refer to Section D.

3. Testing Requirements:

A. Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, § 2(2) and 50:045, § 4.
B. EPA Method 9 readings shall be conducted semiannually for each oven.

4. Specific Monitoring Requirements:

A. A qualitative visual observation of the opacity of emissions shall be performed from the oven/burner stacks on a weekly basis and a log of the observations maintained. If visible emissions from the stacks are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.
B. The number of pieces processed monthly shall be monitored.
C. The volume of natural gas burned annually shall be monitored.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Specific Monitoring Requirements:

D. The combustion chamber temperature of the afterburner shall be monitored continuously by a temperature sensor(s) and recorded continuously by a strip chart recorder. An alarm will notify equipment operators if the temperature is more than 50°F below the combustion temperature limit of 1450°F. The temperature sensor(s) must comply with the following requirements:

a. Locate the temperature sensor in a position that provides a representative temperature.
b. Use a temperature sensor with a measurement sensitivity of 5 degrees Fahrenheit or 1.0 percent of the temperature value, whichever is larger.
c. Before using the sensor for the first time or when relocating or replacing the sensor, perform a validation check by comparing the senor output to a calibrated temperature measurement device or by comparing the sensor output to a simulated temperature.
d. Conduct accuracy audits every quarter and after every deviation. Accuracy audit methods include comparisons of sensor output to redundant temperature sensors, to calibrated temperature measurement devices, or to temperature simulation devices. Conduct calibrations annually.
e. Conduct a visual inspection of each sensor every quarter if redundant temperature sensors are not used.

5. Specific Recordkeeping Requirements:

A. Records of weekly qualitative visual observations of the opacity of emissions and semiannual Method 9 readings shall be maintained.
B. Records of the pieces processed monthly shall be maintained.
C. Records of the natural gas burned annually shall be maintained.
D. Combustion chamber temperature of the afterburner shall be recorded continuously (at least once every 15 minutes) by a strip chart recorder. The combustion temperature data shall be reduced to 3-hour block averages.
E. In addition, for all required emissions control equipment, the permittee shall keep the following records:

1. Design and/or manufacturer's specifications.
2. Preventive maintenance records related to performance of control equipment.
3. All periods, during normal operating conditions, where emissions control equipment, required by this permit is bypassed.
4. Description of operating, temperature and pressure-measuring devices (e.g., automatic strip charts, digital data acquisition systems).
5. Data from the temperature measuring device (as prescribed by Specific Record Keeping Requirement D) and any temporary data logged manually as back up.
6. Inspection reports and maintenance performed in response to recommendations in inspection reports.
7. Monitoring system malfunctions.
8. Calibrations, accuracy audits and validation check records for monitoring equipment specified in Monitoring Requirement D.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

The semiannual report of monitoring required by SECTION F (5) of this permit is specified here to include only a summary of the following:

A. Source-wide limit on VOC emissions. Refer to Section D.
B. Qualitative visual observations and Method 9 readings conducted during the compliance period.
C. A summary of Record Keeping Requirements A – E.

7. Specific Control Equipment Operating Conditions:

Afterburner:

A. The average combustion chamber temperature in any 3-hour period must not fall more than 50°F below the combustion temperature limit of 1450°F.
B. The minimum set point for the combustion temperature of the afterburner shall be 1450°F. The minimum-operating limit for the afterburner is 50°F below the minimum set point temperature.

Compliance Demonstration Method:

The permittee must monitor the temperature in the firebox of the afterburner or immediately downstream of the firebox before any substantial heat exchange occurs. Compliance shall be demonstrated by:

a. Collecting the combustion temperature data according to Monitoring Requirement D;
b. Reducing the data to 3-hour block averages; and
c. Maintaining the 3-hour combustion temperature at or above the temperature limit.

8. Alternate Operating Scenarios:

N/A

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

ID	Description	Date Constructed	Applicable Regulation
34 (V1, V2, V3, V4, V5, V6 V7 & V8)	Eight (8) Vibratory Tumbling Units. Sweco (2 Units) L.S. Industries Burr Bench (4 Units) Sweco (2 Units)	 1986 1990 2007	N/A
37 (T-15)	Touch-up painting of various parts using aerosol cans in three (3) spray booths Booth 1 Booth 2 Booth 3	 1985 1989 1990	401 KAR 59:010
38 (CD01)	Dip Tank for antirust coating of calipers	1984	401 KAR 59:010
39 (WMA1)	Two (2) Dip Tanks for antirust coating of wiper motors	1991	401 KAR 59:010
40 (WMC1)	Cleaning of wiper motors	1991	N/A

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations applicable to each emission unit which commenced construction on or after July 2, 1975.

1. Operating Limitations:
Source-wide limit on VOC emissions. Refer to Section D.

2. Emission Limitations:

A. Source-wide emissions of VOC shall not exceed 90 tons per rolling twelve-month period.
Compliance Demonstration Method: Refer to Section D.

Emission Units 38 and 39:

B. 401 KAR 59:010 § 3(1) – Visible emissions from a control device or stack associated with the dip tanks shall not equal or exceed 20 percent opacity.

C. 401 KAR 59:010 § 3(2) – Particulate matter emissions from a control device or stack associated with the dip tanks shall not exceed 2.34 pounds per hour.

Compliance Demonstration Method:
The dip tanks shall be assumed to be in compliance with the above opacity and mass standards due to the nature of this type of coating operation.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations (Continued):

Emission Unit 37:

D. 401 KAR 59:010 § 3(1) – Visible emissions from a control device or stack associated with the paint booths shall not equal or exceed 20 percent opacity.

E. 401 KAR 59:010 § 3(2) – Particulate matter emissions from a control device or stack associated with the paint booths shall not exceed 2.34 pounds per hour.

Compliance Demonstration Method:

Compliance with the opacity and mass standards shall be assumed due the small quantity of paint used in these operations.

3. Testing Requirements:

Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 or 61:005, § 2(2) and 50:045, § 4.

4. Specific Monitoring Requirements:

A. The monthly usage of VOC containing cleaning solvents shall be monitored (e.g., mineral spirits used in vibratory tumblers and for wiper motor cleaning).

B. The monthly usage of VOC containing paints shall be monitored (e.g., aerosol cans).

C. The monthly usage of VOC containing coatings shall be monitored (e.g., coatings used in dip tanks).

D. Source-wide VOC emissions shall be monitored. Refer to Section D.

5. Specific Recordkeeping Requirements:

A. The permittee shall maintain monthly records of the purchase and usage of cleaning solvent, paint and coatings.

B. Records of source-wide monthly and twelve-month rolling total VOC emissions shall be maintained. Refer to Section D.

6. Specific Reporting Requirements:

The reporting requirements of Section F.5, are specified here to consist of the following: Source-wide limit on VOC emissions. Refer to Section D.

7. Specific Control Equipment Operating Conditions:

N/A

8. Alternate Operating Scenarios:

N/A

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

ID	Description	Date Constructed	Applicable Regulation
18 (DC1)	Wheelabrators 1 and 2 Shot blasting of metal parts. Filter Unit – Model Name and Number: Polaris, Model 2PC 8-7 ½. Filter Area: 8 cartridges, 2,032 ft^2 of filter media total.	1974	401 KAR 61:020
18 (DC2)	Wheelabrator 3 Shot blasting of metal parts. Filter Unit – Custom Built. Filter Area: 9 cartridges, 2,520 ft^2 of filter media total.	1974	401 KAR 61:020
19 (DC3)	Wheelabrators 4 and 5 Shot blasting of metal parts. Filter Unit – Model Name and Number: No. 6, Model 70-AC Serial Number: Not listed	1985	401 KAR 59:010

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations applicable to each emission unit which commenced construction on or after July 2, 1975.
401 KAR 61:020, Existing process operations applicable to each emission unit which commenced construction before July 2, 1975.

1. Operating Limitations:
The filter units shall be in place and operating efficiently during shot blasting operations.

2. Emission Limitations:
Emission Unit 18 (Limits apply to DC1 and DC2 individually):
A. 401 KAR 61:020 § 3(1) – Visible emissions from a control device or stack associated with the shot blasting operations shall not equal or exceed 40 percent opacity.
B. 401 KAR 61:020 § 3(2) – Particulate matter emissions from a control device or stack associated with the shot blasting operations shall not exceed 2.58 pounds per hour.
Emission Unit 19 (DC3):
C. 401 KAR 59:010 § 3(1) – Visible emissions from a control device or stack associated with the shot blasting operations shall not equal or exceed 20 percent opacity.
D. 401 KAR 59:010 § 3(2) – Particulate matter emissions from a control device or stack associated with the shot blasting operations shall not exceed 2.34 pounds per hour.

Compliance Demonstration Method: Compliance with the opacity standard is assumed given these units do not vent directly to the atmosphere. Compliance with the mass standard shall be assumed when the filter units are in place and operating efficiently.

3. Testing Requirements:
Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 or 61:005, § 2(2) and 50:045, § 4.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Specific Monitoring Requirements:

The filter units shall be inspected for proper operation semiannually. Preventive maintenance shall be performed in accordance with the manufacturer's recommendations. At a minimum, the following parameters shall be inspected:

1. Filters;
2. Gaskets and Seals;
3. Filter Cleaning Mechanism.

5. Specific Recordkeeping Requirements:

A log of the results of filter unit inspections shall be maintained onsite, including the date and time filters are replaced.

6. Specific Reporting Requirements:

None

7. Specific Control Equipment Operating Conditions:

None

8. Alternate Operating Scenarios:

None

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary. *The periodic monitoring requirements are specified here to be: Insignificant Activities 13 and 14: Maintain annual records of coating use.*

Description	Generally Applicable Regulation
1. Natural Gas Fired Space & Process Heaters	401 KAR 59:015
2. Combustion source flame safety purging on start-up	N/A
3. Application of oils, greases, lubricants or other non-volatile materials applied as temporary protective coatings	N/A
4. Replacement or repair of bags in baghouses and filters in other air filtration equipment	N/A
5. Paved and unpaved roads and parking lots with public access	401 KAR 63:010
6. Parts Washers	N/A
7. Shot Blasters	401 KAR 59:010
8. Space and Process Heaters	N/A
9. Cleaning Department Dip Operation	N/A
10. E-5, Wave Soldering	401 KAR 59:010
11. T-5 Dust Collection, Grinding/Soldering	401 KAR 59:010
12. 24” Wide Conveyor Type Parts Washer	N/A
13. Ventless Spray Booth (CS130D Line)	401 KAR 59:010
14. Ventless Spray Booth (Nippondenso Line)	401 KAR 59:010
15. Two (2) Coyote Abrasive Blasting Units	401 KAR 59:010
16. One (1) Clemco Blast Cabinet	401 KAR 59:010
17. One (1) natural gas fired parts washer	N/A

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.

2. Particulate matter (PM) and Volatile Organic Compound (VOC) emissions, measured by applicable reference methods, or an equivalent or alternative method specified in 40 C.F.R. Chapter I, or by a test method specified in the state implementation plan shall not exceed the respective limitations specified herein.

3. Pursuant to 401 KAR 50:045 Section 5 in order to demonstrate that a source is capable of complying with a standard at all times, a performance test shall be conducted under normal conditions that are representative of the source's operations and create the highest rate of emissions. If [When] the maximum production rate represents a source's highest emissions rate and a performance test is conducted at less than the maximum production rate, a source shall be limited to a production rate of no greater than 110 percent of the average production rate during the performance tests. If and when the facility is capable of operation at the rate specified in the application, the source may retest to demonstrate compliance at the new production rate. The Division for Air Quality may waive these requirement on a case-by-case basis if the source demonstrates to the Division's satisfaction that the source is in compliance with all applicable requirements.

4. VOC emissions shall not exceed 90 tons during any consecutive twelve (12) month period. Monthly records to demonstrate compliance with this limitation shall be maintained and total VOC emissions shall be reported on a semi-annual basis. VOC emissions shall be calculated and recorded on a *monthly* basis. These records shall be summarized in tons per month of VOC emissions; subsequently, tons of VOC emissions per rolling 12-month period shall be recorded. In addition, these records shall demonstrate compliance with the VOC emission limitations listed herein so as to preclude applicability of 401 KAR 59:225, new miscellaneous metal parts and products surface coating operations. These records shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

Compliance Demonstration Method:

VOC emitted (lb/month) = $\sum$ [Emission of VOC from coatings and cleanup solvents from surface coating operations]

VOC emitted (lb/month) from Emission Points **01, 04 and 07**:

$E_{VOC} = Q_P * CP_{VOC} + Q_R * CR_{VOC} + Q_S * S_{VOC}$

$Q_C = Q_P + Q_R$

$$Q_P = Q_C * \left(\frac{\text{Gallons of paint "i"}}{\text{Gallons of paint "i"} + \text{Gallons of reducing solvent "i"}} \right)$$

$$Q_R = Q_C * \left(\frac{\text{Gallons of reducing solvent "i"}}{\text{Gallons of paint "i"} + \text{Gallons of reducing solvent "i"}} \right)$$

Where

E_{VOC} = Emission rate of VOC in pounds per month.
Q_P = Gallons of paint "i" used per month.
CP_{VOC} = VOC content in paint "i" (lb/gal).
Q_R = Gallons of reducing solvent "i" used per month.
CR_{VOC} = VOC content in reducing solvent "i" (lb/gal).
Q_C = Gallons of coating (paint and reducer mixed) as applied used per month.
Q_S = Gallons of clean-up solvent used per month.
S_{VOC} = VOC content in clean-up solvent (lb/gal)

The general equation for multiple-part coatings is:

$$Q = Q_T * \frac{N_i}{\sum_{i=1}^{n} N_i}$$

Where:

Q = Material usage rate (gal/hr) of component (e.g., coating, thinner)
Q_T = Total multiple-part coating material usage rate (gal/hr)
N_i = Number of parts of component "i" in multiple-part coating
n = Total number of components in multiple-part coating

Referenced from U.S. EPA Emission Inventory Improvement Program, Technical Report Series, Volume II, Chapter 7, *Preferred and Alternative Methods for Estimating Air Emissions from Surface Coating Operations* (July, 2001).

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

Compliance Demonstration Method (Continued):

VOC emitted (lb/month) from Emission Point **27**:
VOC emitted (lb/month) = $\sum$ [Pounds of solvent added to EP27] – $\sum$ [Pounds of liquid solvent removed from EP27 + pounds of solvent removed from EP27 in the solid waste]

VOC emitted (lb/month) from Emission Point **33**:
VOC emitted (lb/month) = N*EF*(1-CE)

Where:
N = Number of parts processed per month (1000s of parts)
EF = VOC emission factor for burn-off oven (2.71 lb/1000 parts)
CE = Direct flame afterburner control efficiency (50 %)

VOC emitted (lb/month) from Emission Points **38 and 39**:
$E_{VOC} = Q*C_{VOC}$

Where:
E_{VOC} = Emission rate of VOC in pounds per month.
Q = Gallons of anti-rust coating used per month.
C_{VOC} = VOC content of anti-rust coating (lb/gal).

VOC emitted (lb/month) from Emission Points **34 and 40**:
$E_{VOC} = Q*C_{VOC}$

Where:
E_{VOC} = Emission rate of VOC in pounds per month.
Q = Gallons of cleaning solvent used per month.
C_{VOC} = VOC content of cleaning solvent (lb/gal).

VOC emitted (lb/month) from Emission Points **37**:
$E_{VOC} = Q*C_{VOC}$

Where:
E_{VOC} = Emission rate of VOC in pounds per month.
Q = Gallons of paint in aerosol cans used per month.
C_{VOC} = VOC content of paint (lb/gal).

Source-wide VOC emissions (lb/month) =
$\sum$ VOC emitted from emissions points **01, 04, 07, 27, 33, 34, 37, 38, 39 and 40**.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

1. Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

2. The applicable standards, test methods, monitoring procedures, recordkeeping requirements and reporting requirements of 401 KAR 63:002, § 3 (p) 40 CFR 63.460 to 63.470 (Subpart T), "National Emission Standards for Halogenated Solvent Cleaning", are listed below.

§ 63.463 Batch vapor cleaning machine standards.

(a) Except as provided in § 63.464 for all cleaning machines, each owner or operator of a solvent cleaning machine subject to the provisions of this subpart shall ensure that each existing or new batch vapor solvent cleaning machine subject to the provisions of this subpart conforms to the design requirements specified in paragraphs (a)(1) through (7) of this section.

(1) Each cleaning machine shall be designed or operated to meet the control equipment or technique requirements in paragraph (a)(1)(i) or (a)(1)(ii) of this section.

(i) An idling and downtime mode cover, as described in § 63.463(d)(1)(i), that may be readily opened or closed, that completely covers the cleaning machine openings when in place, and is free of cracks, holes, and other defects.

(ii) A reduced room draft as described in § 63.463(e)(2)(ii).

(2) Each cleaning machine shall have a freeboard ratio of 0.75 or greater.

(3) Each cleaning machine shall have an automated parts handling system capable of moving parts or parts baskets at a speed of 3.4 meters per minute (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts.

(4) Each vapor cleaning machine shall be equipped with a device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils. This requirement does not apply to a vapor cleaning machine that uses steam to heat the solvent.

(5) Each vapor cleaning machine shall be equipped with a vapor level control device that shuts off sump heat if the vapor level in the vapor cleaning machine rises above the height of the primary condenser.

(6) Each vapor cleaning machine shall have a primary condenser.

(7) Each cleaning machine that uses a lip exhaust shall be designed and operated to route all collected solvent vapors through a properly operated and maintained carbon adsorber that meets the requirements of paragraph (e)(2)(vii) of this section.

(b) Except as provided in § 63.464, each owner or operator of an existing or new batch vapor cleaning machine shall comply with either paragraph (b)(1) or (b)(2) of this section. *Only paragraph (b)(2) is listed here since the solvent air interface of the cleaning machine is 47.25 square feet.*

(2) Each owner or operator of a batch vapor cleaning machine with a solvent/air interface area greater than 1.21 square meters (13 square feet) shall comply with the requirements specified in either paragraph (b)(2)(i) or (b)(2)(ii) of this section.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS (CONTINUED)

(i) Employ one of the control combinations listed in table 2 below or other equivalent methods of control as determined using the procedure in § 63.469, equivalent methods of control.

Option	Control combinations
1	Freeboard refrigeration device, freeboard ratio of 1.0, superheated vapor.
2	Dwell, freeboard refrigeration device, reduced room draft.
3	Working-mode cover, freeboard refrigeration device, superheated vapor.
4	Freeboard ratio of 1.0, reduced room draft, superheated vapor.
5	Freeboard refrigeration device, reduced room draft, superheated vapor.
6	Freeboard refrigeration device, reduced room draft, freeboard ratio of 1.0.
7	Freeboard refrigeration device, superheated vapor, carbon adsorber.

(ii) Demonstrate that the solvent cleaning machine can achieve and maintain an idling emission limit of 0.22 kilograms per hour per square meter (0.045 pounds per hour per square foot) of solvent/air interface area as determined using the procedures in § 63.465(a) and appendix A of this part.

(d) Except as provided in § 63.464 for all cleaning machines, each owner or operator of an existing or new batch vapor or in-line solvent cleaning machine shall meet all of the following required work and operational practices specified in paragraphs (d)(1) through (12) of this section as applicable.

(1) Control air disturbances across the cleaning machine opening(s) by incorporating the control equipment or techniques in paragraph (d)(1)(i) or (d)(1)(ii) of this section.

(i) Cover(s) to each solvent cleaning machine shall be in place during the idling mode, and during the downtime mode unless either the solvent has been removed from the machine or maintenance or monitoring is being performed that requires the cover(s) to not be in place.

(ii) A reduced room draft as described in § 63.463(e)(2)(ii).

(2) The parts baskets or the parts being cleaned in an open-top batch vapor cleaning machine shall not occupy more than 50 percent of the solvent/air interface area unless the parts baskets or parts are introduced at a speed of 0.9 meters per minute (3 feet per minute) or less.

(3) Any spraying operations shall be done within the vapor zone or within a section of the solvent cleaning machine that is not directly exposed to the ambient air (i.e., a baffled or enclosed area of the solvent cleaning machine).

(4) Parts shall be oriented so that the solvent drains from them freely. Parts having cavities or blind holes shall be tipped or rotated before being removed from any solvent cleaning machine unless an equally effective approach has been approved by the Cabinet.

(5) Parts baskets or parts shall not be removed from any solvent cleaning machine until dripping has stopped.

(6) During startup of each vapor cleaning machine, the primary condenser shall be turned on before the sump heater.

(7) During shutdown of each vapor cleaning machine, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS (CONTINUED)

(8) When solvent is added or drained from any solvent cleaning machine, the solvent shall be transferred using threaded or other leakproof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface.

(9) Each solvent cleaning machine and associated controls shall be maintained as recommended by the manufacturers of the equipment or using alternative maintenance practices that have been demonstrated to the Cabinet's satisfaction to achieve the same or better results as recommended by the manufacturer.

(10) Each operator of a solvent cleaning machine shall complete and pass the applicable sections of the test of solvent cleaning procedures in appendix A to 40 CFR 63, Subpart T if requested during an inspection by the Cabinet.

(11) Waste solvent, still bottoms, and sump bottoms shall be collected and stored in closed containers. The closed containers may contain a device that would allow pressure relief, but would not allow liquid solvent to drain from the container.

(12) Sponges, fabric, wood, and paper products shall not be cleaned.

(e) Each owner or operator of a solvent cleaning machine complying with paragraphs (b), (c), (g), or (h) of § 63.463 shall comply with the requirements specified in paragraphs (e)(1) through (4) of this section.

(1) Conduct monitoring of each control device used to comply with § 63.463 of 40 CFR 63, Subpart T as provided in § 63.466.

(2) Determine during each monitoring period whether each control device used to comply with these standards meets the requirements specified in paragraphs (e)(2)(i) through (vi) of this section.

(i) If a freeboard refrigeration device is used to comply with these standards, the owner or operator shall ensure that the chilled air blanket temperature (in ˚F), measured at the center of the air blanket, is no greater than 30 percent of the solvent's boiling point.

(ii) If a reduced room draft is used to comply with these standards, the owner or operator shall comply with the requirements specified in paragraphs (e)(2)(ii)(A) and (e)(2)(ii)(B) of this section.

(A) Ensure that the flow or movement of air across the top of the freeboard area of the solvent cleaning machine or within the solvent cleaning machine enclosure does not exceed 15.2 meters per minute (50 feet per minute) at any time as measured using the procedures in § 63.466(d).

(B) Establish and maintain the operating conditions under which the wind speed was demonstrated to be 15.2 meters per minute (50 feet per minute) or less as described in § 63.466(d).

(iii) If a working-mode cover is used to comply with these standards, the owner or operator shall comply with the requirements specified in paragraphs (e)(2)(iii)(A) and (e)(2)(iii)(B) of this section.

(A) Ensure that the cover opens only for part entrance and removal and completely covers the cleaning machine openings when closed.

(B) Ensure that the working-mode cover is maintained free of cracks, holes, and other defects.

(iv) If an idling-mode cover is used to comply with these standards, the owner or operator shall comply with the requirements specified in paragraphs (e)(2)(iv)(A) and (e)(2)(iv)(B) of this section.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS (CONTINUED)

(A) Ensure that the cover is in place whenever parts are not in the solvent cleaning machine and completely covers the cleaning machine openings when in place.

(B) Ensure that the idling-mode cover is maintained free of cracks, holes, and other defects.

(v) If a dwell is used to comply with these standards, the owner or operator shall comply with the requirements specified in paragraphs (e)(2)(v)(A) and (e)(2)(v)(B) of this section.

(A) Determine the appropriate dwell time for each type of part or parts basket, or determine the maximum dwell time using the most complex part type or parts basket, as described in § 63.465(d).

(B) Ensure that, after cleaning, each part is held in the solvent cleaning machine freeboard area above the vapor zone for the dwell time determined for that particular part or parts basket, or for the maximum dwell time determined using the most complex part type or parts basket.

(vi) If a superheated vapor system is used to comply with these standards, the owner or operator shall comply with the requirements specified in paragraphs (e)(2)(vi)(A) through (e)(2)(vi)(C) of this section.

(A) Ensure that the temperature of the solvent vapor at the center of the superheated vapor zone is at least 10˚F above the solvent's boiling point.

(B) Ensure that the manufacturer's specifications for determining the minimum proper dwell time within the superheated vapor system is followed.

(C) Ensure that the parts remain within the superheated vapor for at least the minimum proper dwell time.

(3) If any of the requirements of paragraph (e)(2) of this section are not met, determine whether an exceedance has occurred using the criteria in paragraphs (e)(3)(i) and (e)(3)(ii) of this section.

(i) An exceedance has occurred if the requirements of paragraphs (e)(2)(ii)(B), (e)(2)(iii)(A), (e)(2)(iv)(A), (e)(2)(v) or (e)(2)(vi)(B) of this section have not been met.

(ii) An exceedance has occurred if the requirements of paragraphs (e)(2)(i), (e)(2)(ii)(A), (e)(2)(iii)(B), (e)(2)(iv)(B), (e)(2)(vi)(A), or (e)(2)(vii)(A) of this section have not been met and are not corrected within 15 days of detection. Adjustments or repairs shall be made to the solvent cleaning system or control device to reestablish required levels. The parameter must be remeasured immediately upon adjustment or repair and demonstrated to be within required limits.

(4) The owner or operator shall report all exceedances and all corrections and adjustments made to avoid an exceedance as specified in § 63.468(h).

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS (CONTINUED)

(f) Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the idling emission limit standards in paragraph (b)(2)(ii) of this section shall comply with the requirements specified in paragraphs (f)(1) through (f)(5) of this section.

(1) Conduct an initial performance test to comply with the requirements specified in paragraphs (f)(1)(i) and (f)(1)(ii) of this section.

(i) Demonstrate compliance with the applicable idling emission limit.

(ii) Establish parameters that will be monitored to demonstrate compliance. If a control device is used that is listed in paragraph (e)(2) of this section, then the requirements for that control device as listed in paragraph (e)(2) of this section shall be used unless the owner or operator can demonstrate to the Cabinet's satisfaction that an alternative strategy is equally effective.

(2) Conduct the periodic monitoring of the parameters used to demonstrate compliance as described in § 63.466(f).

(3) Operate the solvent cleaning machine within parameters identified in the initial performance test.

(4) If any of the requirements in paragraph (f)(1) through (f)(3) of this section are not met, determine whether an exceedance has occurred using the criteria in paragraphs (f)(4)(i) and (f)(4)(ii) of this section.

(i) If using a control listed in paragraph (e) of this section, the owner or operator shall comply with the appropriate parameter values in paragraph (e)(2) and the exceedance delineations in paragraphs (e)(3)(i) and (e)(3)(ii) of this section.

(ii) If using a control not listed in paragraph (e) of this section, the owner or operator shall indicate whether the exceedance of the parameters that are monitored to determine the proper functioning of this control would be classified as an immediate exceedance or whether a 15 day repair period would be allowed. This information must be submitted to the Cabinet for approval.

(5) The owner or operator shall report all exceedances and all corrections and adjustments made to avoid an exceedance as specified in § 63.468(h).

§ 63.464 Alternative Standards

Refer to 40 CFR 63, Subpart T.

§ 63.465 Test Methods

(a) Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with an idling emission limit standard in § 63.463 (b)(2)(ii) shall determine the idling emission rate of the solvent cleaning machine using Reference Method 307 in appendix A of 40 CFR 63, Subpart T.

(d) Each owner or operator of a batch vapor or in-line solvent cleaning machine using a dwell to comply with § 63.463 shall determine the appropriate dwell time for each part or parts basket using the procedure specified in paragraphs (d)(1) and (d)(2) of this section.

(1) Determine the amount of time for the part or parts basket to cease dripping once placed in the vapor zone. The part or parts basket used for this determination must be at room temperature before being placed in the vapor zone.

(2) The proper dwell time for parts to remain in the freeboard area above the vapor zone is no less 35 percent of the time determined in paragraph (d)(1) of this section.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS (CONTINUED)

(e) An owner or operator of a source shall determine the potential to emit from all solvent cleaning operations, using the procedures described in paragraphs (e)(1) through (e)(3) of this section. A facility's total potential to emit is the sum of the HAP emissions from all solvent cleaning operations, plus all HAP emissions from other sources within the facility.

(1) Determine the potential to emit for each individual solvent cleaning machine using equation 6.

$PTE_i = H_i \times W_i \times SAI_i$ (6)

Where:

PTE_i = the potential to emit for solvent cleaning machine i (kilograms of solvent per year).

H_i = hours of operation for solvent cleaning machine i (hours per year).

= 8,760 hours per year, unless otherwise restricted by a Federally enforceable requirement.

W_i = the working mode uncontrolled emission rate (kilograms per square meter per hour).

=1.95 kilograms per square meter per hour for batch vapor and cold cleaning machines.

SAI_i = solvent/air interface area of solvent cleaning machine i (square meters). Section 63.461 defines the solvent/air interface area for those machines that have a solvent/air interface. Cleaning machines that do not have a solvent/air interface shall calculate a solvent/air interface area using the procedure in paragraph (e)(2) of this section.

(2) Cleaning machines that do not have a solvent/air interface shall calculate a solvent/air interface area using equation 7.

$SAI = 2.20 \times (Vol)^{0.6}$

Where:

SAI = the solvent/air interface area (square meters).

Vol = the cleaning capacity of the solvent cleaning machine (cubic meters).

(3) Sum the PTE_i for all solvent cleaning operations to obtain the total potential to emit for solvent cleaning operations at the facility.

§ 63.466 Monitoring Procedures

(a) Except as provided in paragraph (g) of this section, each owner or operator of a batch vapor cleaning machine complying with the equipment standards in § 63.463(b)(2)(i) shall conduct monitoring and record the results on a weekly basis for the control devices, as appropriate, specified in paragraphs (a)(1) and (a)(2) of this section.

(1) If a freeboard refrigeration device is used to comply with these standards, the owner or operator shall use a thermometer or thermocouple to measure the temperature at the center of the air blanket during the idling mode.

(2) If a superheated vapor system is used to comply with these standards, the owner or operator shall use a thermometer or thermocouple to measure the temperature at the center of the superheated vapor zone while the solvent cleaning machine is in the idling mode.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS (CONTINUED)

(b) Except as provided in paragraph (g) of this section, each owner or operator of a batch vapor cleaning machine complying with the equipment standards of § 63.463(b)(2)(i) shall conduct monitoring and record the results on a monthly basis for the control devices, as appropriate, specified in paragraphs (b)(1) and (b)(2) of this section.

(1) If a cover (working-mode, down-time-mode, and/or idling-mode cover) is used to comply with these standards, the owner or operator shall conduct a visual inspection to determine if the cover is opening and closing properly, completely covers the cleaning machine openings when closed, and is free of cracks, holes, and other defects.

(2) If a dwell is used, the owner or operator shall determine the actual dwell time by measuring the period of time that parts are held within the freeboard area of the solvent cleaning machine after cleaning.

(c) Except as provided in paragraph (g) of this section, each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the equipment or idling standards in § 63.463 shall monitor the hoist speed as described in paragraphs (c)(1) through (c)(4) of this section.

(1) The owner or operator shall determine the hoist speed by measuring the time it takes for the hoist to travel a measured distance. The speed is equal to the distance in meters divided by the time in minutes (meters per minute).

(2) The monitoring shall be conducted monthly. If after the first year, no exceedances of the hoist speed are measured, the owner or operator may begin monitoring the hoist speed quarterly.

(3) If an exceedance of the hoist speed occurs during quarterly monitoring, the monitoring frequency returns to monthly until another year of compliance without an exceedance is demonstrated.

(4) If an owner or operator can demonstrate to the Cabinet's satisfaction in the initial compliance report that the hoist cannot exceed a speed of 3.4 meters per minute (11 feet per minute), the required monitoring frequency is quarterly, including during the first year of compliance.

(d) Except as provided in paragraph (g) of this section, each owner or operator of a batch vapor cleaning machine complying with the equipment standards in § 63.463 (b)(2)(i) using a reduced room draft shall conduct monitoring and record the results as specified in paragraph(d)(1) or (d)(2) of this section.

(1) If the reduced room draft is maintained by controlling room parameters (i.e., redirecting fans, closing doors and windows, etc.), the owner or operator shall conduct an initial monitoring test of the windspeed and of room parameters, quarterly monitoring of windspeed, and weekly monitoring of room parameters as specified in paragraphs (d)(1)(i) and (d)(1)(ii) of this section.

(i) Measure the windspeed within 6 inches above the top of the freeboard area of the solvent cleaning machine using the procedure specified in paragraphs (d)(1)(i)(A) through (d)(1)(i)(D) of this section.

(A) Determine the direction of the wind current by slowly rotating a velometer or similar device until the maximum speed is located.

(B) Orient a velometer in the direction of the wind current at each of the four corners of the machine.

(C) Record the reading for each corner.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS (CONTINUED)

(D) Average the values obtained at each corner and record the average windspeed.
(ii) Monitor on a weekly basis the room parameters established during the initial compliance test that are used to achieve the reduced room draft.
(2) If an enclosure (full or partial) is used to achieve a reduced room draft, the owner or operator shall conduct an initial monitoring test and, thereafter, monthly monitoring tests of the windspeed within the enclosure using the procedure specified in paragraphs (d)(2)(i) and (d)(2)(ii) of this section and a monthly visual inspection of the enclosure to determine if it is free of cracks, holes and other defects.
(i) Determine the direction of the wind current in the enclosure by slowly rotating a velometer inside the entrance to the enclosure until the maximum speed is located.
(ii) Record the maximum wind speed.
(g) Each owner or operator using a control device listed in paragraphs (a) through (d) of this section can use alternative monitoring procedures approved by the Cabinet.

§ 63.467 Recordkeeping Requirements

(a) Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of § 63.463 shall maintain records in written or electronic form specified in paragraphs (a)(1) through (7) of this section for the lifetime of the machine.
(1) Owner's manuals, or if not available, written maintenance and operating procedures, for the solvent cleaning machine and control equipment.
(2) The date of installation for the solvent cleaning machine and all of its control devices. If the exact date for installation is not known, a letter certifying that the cleaning machine and its control devices were installed prior to or on November 29, 1993, or after November 29, 1993, may be substituted.
(3) If a dwell is used to comply with these standards, records of the tests required in § 63.465(d) to determine an appropriate dwell time for each part or parts basket.
(4) Each owner or operator of a batch vapor cleaning machine complying with the idling emission limit standards of § 63.463(b)(2)(ii), shall maintain records of the initial performance test, including the idling emission rate and values of the monitoring parameters measured during the test.
(5) Records of the halogenated HAP solvent content for each solvent used in a solvent cleaning machine subject to the provisions of this subpart.

(b) Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with § 63.463 shall maintain records specified in paragraphs (b)(1) through (b)(3) of this section either in electronic or written form for a period of 5 years.
(1) The results of control device monitoring required under § 63.466
(2) Information on the actions taken to comply with § 63.463(e) and (f). This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.
(3) Estimates of annual solvent consumption for each solvent cleaning machine.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS (CONTINUED)

(d) Each owner or operator of a solvent cleaning machine without a solvent/air interface complying with the provisions of § 63.464 shall maintain records on the method used to determine the cleaning capacity of the cleaning machine.

§ 63.468 Reporting Requirements

(f) Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of § 63.463 shall submit an annual report by February 1 of the year following the one for which the reporting is being made. This report shall include the requirements specified in paragraphs (f)(1) through (f)(3) of this section.

(1) A signed statement from the facility owner or his designee stating that, "All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the test required in § 63.463(d)(10)."

(2) An estimate of solvent consumption for each solvent cleaning machine during the reporting period.

(3) The reports required under paragraphs (f) and (g) of this section can be combined into a single report for each facility.

(g) Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of § 63.464 shall submit a solvent emission report every year. This solvent emission report shall contain the requirements specified in paragraphs (g)(1) through (g)(4) of this section.

(1) The size and type of each unit subject to this subpart (solvent/air interface area or cleaning capacity).

(2) The average monthly solvent consumption for the solvent cleaning machine in kilograms per month.

(3) The 3-month monthly rolling average solvent emission estimates calculated each month using the method as described in § 63.465(c).

(4) The reports required under paragraphs (f) and (g) of this section can be combined into a single report for each facility.

(h) Each owner or operator of a batch vapor or in-line solvent cleaning machine shall submit an exceedance report to the Division semiannually except when, the Cabinet determines on a case-by-case basis that more frequent reporting is necessary to accurately assess the compliance status of the source or, an exceedance occurs. Once an exceedance has occurred the owner or operator shall follow a quarterly reporting format until a request to reduce reporting frequency under paragraph (i) of this section is approved. Exceedance reports shall be delivered or postmarked by the 30th day following the end of each calendar half or quarter, as appropriate. The exceedance report shall include the applicable information in paragraphs (h)(1) through (3) of this section.

(1) Information on the actions taken to comply with § 63.463(e) and (f). This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS (CONTINUED)

(2) If an exceedance has occurred, the reason for the exceedance and a description of the actions taken.

(3) If no exceedances of a parameter have occurred, or a piece of equipment has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report.

(i) An owner or operator who is required to submit an exceedance report on a quarterly (or more frequent) basis may reduce the frequency of reporting to semiannual if the conditions in paragraphs (i)(1) through (i)(3) of this section are met.

(1) The source has demonstrated a full year of compliance without an exceedance.

(2) The owner or operator continues to comply with all relevant recordkeeping and monitoring requirements specified in subpart A (General Provisions of part 63).

(3) The Division does not object to a reduced frequency of reporting for the affected source as provided in paragraph (e)(3)(iii) of subpart A (General Provisions of part 63).

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
    a. Date, place as defined in this permit, and time of sampling or measurements;
    b. Analyses performance dates;
    c. Company or entity that performed analyses;
    d. Analytical techniques or methods used;
    e. Analyses results; and
    f. Operating conditions during time of sampling or measurement.

2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b(IV) 2 and 1a(8) of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
    a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
    b. To access and copy any records required by the permit:
    c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

    Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.

4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

5. Summary reports of any monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Section 1b (V)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. If continuous emission and opacity monitors are required by regulation or this permit, data shall be reported in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All deviations from permit requirements shall be clearly identified in the reports.

7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
    a. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
    b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.

8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within *30 days*. Deviations from permit requirements, including those previously reported under F.7 above, shall *be included in the semiannual report required by F.6* [Section 1b (V) 3, 4. of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
    a. Identification of the term or condition;
    b. Compliance status of each term or condition of the permit;
    c. Whether compliance was continuous or intermittent;
    d. The method used for determining the compliance status for the source, currently and over the reporting period.
    e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications shall be mailed to the following addresses:

Division for Air Quality
Owensboro Regional Office
3032 Alvey Park Dr. W. STE 700
Owensboro, KY 42303

U.S. EPA Region 4
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth St.
Atlanta, GA 30303-8960

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.

11. Results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days or sooner if required by an applicable standard, after the completion of the fieldwork.

SECTION G - GENERAL PROVISIONS

(a) General Compliance Requirements

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 and of the Clean Air Act and is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a, 3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].

2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a, 6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
   a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
   b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
   c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

   Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the conditions of this permit [Section 1a, 7,8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a, 14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a, 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens.[Section 1a, 15 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a, 10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3)(b)].

11. This permit does not convey property rights or exclusive privileges [Section 1a, 9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Environmental and Public Protection or any other federal, state, or local agency.

13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3)(d)].

14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3)(a)].

15. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

SECTION G - GENERAL PROVISIONS (CONTINUED)

16. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of issuance. Compliance with the conditions of a permit shall be considered compliance with:
    a. Applicable requirements that are included and specifically identified in the permit and
    b. Non-applicable requirements expressly identified in this permit.

17. Pursuant to 401 KAR 50:045, Section 2, a source required to conduct a performance test shall submit a completed Compliance Test Protocol form, DEP form 6028, or a test protocol a source has developed for submission to other regulatory agencies, in a format approved by the cabinet, to the Division's Frankfort Central Office a minimum of sixty (60) days prior to the scheduled test date. Pursuant to 401 KAR 50:045, Section 7, the Division shall be notified of the actual test date at least Thirty (30) days prior to the test.

(b) Permit Expiration and Reapplication Requirements

1. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].

2. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:020 Section 8(2)].

(c) Permit Revisions

1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).

2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

SECTION G - GENERAL PROVISIONS (CONTINUED)

(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements

None

(e) Acid Rain Program Requirements

If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

(f) Emergency Provisions

1. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
   a. An emergency occurred and the permittee can identify the cause of the emergency;
   b. The permitted facility was at the time being properly operated;
   c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
   d. Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
   e. This requirement does not relieve the source of other local, state or federal notification requirements.

2. Emergency conditions listed in General Condition (f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].

3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

   RMP Reporting Center
   P.O. Box 1515
   Lanham-Seabrook, MD 20703-1515.

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
   a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
   b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
   c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
   d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166
   e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
   f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION H - ALTERNATE OPERATING SCENARIOS

N/A

SECTION I - COMPLIANCE SCHEDULE

N/A